

# Samarth Pratap Singh

[https:// portfolio-noviciusss.vercel.app/](https://portfolio-noviciusss.vercel.app/)

Aspiring Full-Stack Developer | AI/ML Enthusiast | Strong in Next.js, TypeScript & DSA (C++)

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*Passionate developer with a strong foundation in frontend and backend technologies, specializing in **Next.js**, **TypeScript**, and **JavaScript**. Proficient in **Object-Oriented Programming (OOP)** and experienced in **Python project development**. Currently enhancing problem-solving skills in **Data Structures & Algorithms (DSA)** using **C++**, with **130+ problems** solved on **LeetCode**. Actively learning and exploring **AI/ML**, with a keen interest in building scalable and intelligent systems.*

## TECH STACK

- **Frontend:** Next.js, React.js, TypeScript, JavaScript, SCSS, HTML, CSS, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Prisma, JWT, Zod, Docker
- **Databases:** PostgreSQL, MongoDB, SQLite
- **Languages:** C/C++, Python, Java, JavaScript, TypeScript
- **Tools & Libraries:** PyQt, Tkinter, CustomTkinter, Git, GitHub
- **Machine Learning:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn
- **Others:** Data Structures & Algorithms, REST APIs, Object-Oriented Programming (OOP)

## PROJECTS

### Project Loom

<https://projectloom.vercel.app/>

- **Built with Next.js (App Router), TypeScript, Tailwind CSS, and Sanity.io** for a modern, scalable platform.
- **Features project posting, user profiles, search/filter, view tracking, and bookmarking** for easy project discover
- Optimized with SSR & ISR for performance and a fully responsive, clean UI for a seamless experience.
- **Sanity.io as the database** ensures efficient content management and dynamic updates

### Text Editor using Tkinter

<https://github.com/parazeeknova/nyxtext>

- Developed a text editor with file operations, text editing features (cut, copy, paste, undo/redo), and custom font styling.
- Implemented dark/light mode and keyboard shortcuts for enhanced user experience.
- Utilized Python, Tkinter, and CustomTkinter for a seamless interface.

### Dexplorer

<https://dexplorer-pokemon.vercel.app/>

- Developed DExplorer, a Pokédex-style web app using React.js, JavaScript, and Tailwind CSS, enabling users to browse, search, and filter the original 150 Pokémon with real-time interactivity.
- Implemented responsive UI featuring dynamic Pokémon cards displaying key stats (HP, Attack, etc.), optimized for speed and mobile-first performance.
- **Designed scalable architecture** to support upcoming features like dark mode, favorites, and side-by-side Pokémon comparisons, enhancing user personalization and engagement.

## EDUCATION

**Bachelor of Technology - BTech, CSE(AIML)**  
**Vellore Institute of Technology**

**Sept-2023 - 2027**